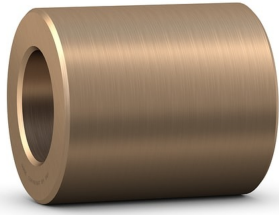


PSM 121612 A51 Sintered bronze straight bushing



Sintered bronze straight bushing

SKF sintered bronze straight (cylindrical) bushings are suitable for rotating, oscillating and linear movements, and can accommodate radial loads. SKF sintered bronze bushings are self-lubricating and maintenance-free. They consist of a porous bronze matrix that is impregnated with mineral oil. The oil impregnation enables very high sliding velocities and makes these bushings suitable for rotating applications.

- Maintenance-free operation
- Low coefficient of friction
- Very high sliding velocity

Overview

Dimensions

| | |
|------------------|-------|
| Bore diameter | 12 mm |
| Outside diameter | 16 mm |
| Width | 12 mm |

Properties

| | |
|-----------------------|-----------------|
| Design | Straight |
| Material | Sintered bronze |
| Relubrication feature | Without |

Technical Specification

| | |
|-----------------------|-----------------|
| Material | Sintered bronze |
| Operating temperature | min. -10 °C |
| Operating temperature | max. 90 °C |

Dimensions

| | | |
|---|-------|------------------|
| d | 12 mm | Bore diameter |
| D | 16 mm | Outside diameter |
| B | 12 mm | Width |



Recommended fits

| | |
|-------------------|----|
| Tolerance shaft | h8 |
| Tolerance housing | H7 |

Calculation data

| | | |
|------------------------------|----------------|----------------------|
| Specific dynamic load factor | K | 10 N/mm ² |
| Specific static load factor | K ₀ | 20 N/mm ² |
| Permissible sliding velocity | v | min. 0.25 m/s |
| Permissible sliding velocity | v | max. 5 m/s |
| Coefficient of friction | μ | min. 0.05 |
| Coefficient of friction | μ | max. 0.1 |

Mass

Mass bushing

0.007 kg

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